

PROCLAMATION 2776
Enumeration of Arms, Ammunition, and Implements of War
By the President of the United States of America
A Proclamation

Whereas section 12(i) of the joint resolution of Congress approved November 4, 1939, provides in part as follows (54 Stat. 11; 22 U.S.C. 452 (i):

The President is hereby authorized to proclaim upon recommendation of the (National Munitions Control) Board from time to time a list of articles which shall be considered arms, ammunition, and implements of war for the purposes of this section.

Now, therefore, I, Harry S. Truman, President of the United States of America, acting under and by virtue of the authority conferred upon me by the said joint resolution of Congress, and pursuant to the recommendation of the National Munitions Control Board, and in the interest of the foreign-affairs functions of the United States, hereby declare and proclaim that the articles listed below shall, on and after April 15, 1948, be considered arms, ammunition, and implements of war for the purposes of section 12 of the said joint resolution of Congress:

CATEGORY I - Small Arms and Machine Guns

Rifles, carbines, revolvers, pistols, machine pistols, and machine guns (using ammunition of caliber .22 or over); barrels, mounts, breech mechanisms and stocks therefor.

CATEGORY II - Artillery and Projectors

Guns, howitzers, cannon, mortars, and rocket launchers (of all calibers), military flame throwers, military smoke, gas, or pyrotechnical projectors; barrels, mounts and other components thereof.

CATEGORY III - Ammunition

Ammunition of caliber .22 or over for the arms enumerated under (I) and (II) above; cartridge cases, powder bags, bullets, jackets, cores, shells (excluding shotgun); projectiles and other missiles; percussion caps, fuses, primers and other detonating devices for such ammunition.

CATEGORY IV - Bombs, Torpedoes and Rockets

Bombs, torpedoes, grenades, rockets, mines, guided missiles, depth charges, and components thereof; apparatus and devices for the handling, control, discharge, detonation or detection thereof.

CATEGORY V - Fire Control Equipment and Range Finders

Fire control equipment; range, position and height finders, spotting instruments, aiming devices (gyroscopic, optic, acoustic, atmospheric or flash), bombsights, gun sights and periscopes for the arms, ammunition and implements of war enumerated in this proclamation.

CATEGORY VI - Tanks and Ordnance Vehicles

Tanks, armed or armored vehicles, armored trains, artillery and small arms repair trucks, military half tracks, tank recovery vehicles, tank destroyers; armor plate, turrets, tank engines, tank tread shoes, tank bogie wheels and idlers therefor.

CATEGORY VII - Poison Gases and Toxicological Agents

All military toxicological and lethal agents and gases; military equipment for the dissemination and detection thereof and defense therefrom.

CATEGORY VIII - Propellants and Explosives

Propellants for the articles enumerated in Categories III, IV, and VII, military high explosives.

CATEGORY IX - Vessels of War

Vessels of war of all kinds, including amphibious craft, landing craft, naval tenders, naval transports and naval patrol craft, armor plate and turrets therefor, submarine batteries and nets, and equipment for the laying, detection, and detonation of mines.

CATEGORY X - Aircraft

Aircraft; components, parts and accessories therefor.

CATEGORY XI - Miscellaneous Equipment

(a) Military radar equipment, including components thereof, radar countermeasures and radar jamming equipment; (b) Military stereoscopic plotting and photo interpretation equipment; (c) Military photo theodolites, telemetering and Doppler equipment; (d) Military super-high speed ballistic cameras; (e) Military radiosondes; (f) Military interference suppression equipment; (g) Military electronic computing devices; (h) Military miniature and sub-miniature vacuum tubes and photoemissive tubes; (i) Military armor plate; (j) Military steel helmets; (k) Military pyrotechnics; (l) Synthetic training devices for military equipment; (m) Military ultra-sonic generators; (n) All other material used in warfare which is classified from the standpoint of military security.

Effective April 15, 1948, this proclamation shall supersede Proclamation 2717, dated February 14, 1947.

In Witness whereof, I have hereunto set my hand and caused the Seal of the United States of America to be affixed.

Done at the City of Washington this 26th day of March in the year of our Lord nineteen hundred and forty-eight, and of the Independence of the United States of America the one hundred and seventy-second.

HARRY S. TRUMAN

By the President:

G. C. Marshall,
Secretary of State.

(F. R. Doc. 48-2814; Filed, Mar. 26, 1948; 11:57 a.m.)

MD Bulletin No. 1
April 1, 1948.

DEPARTMENT OF STATE
Washington, D. C.

NEW REQUIREMENTS RELATING TO THE LICENSING
FOR EXPORT AND IMPORT OF ARTICLES DEFINED AS ARMS,
AMMUNITION AND IMPLEMENTS OF WAR.

Effective April 15, 1948, the attached Presidential Proclamation 2776, defining arms, ammunition, and implements of war will supersede Proclamation 2717 of February 14, 1947. ALL ARTICLES INCLUDED THEREIN WILL BE SUBJECT TO THE DEPARTMENT OF STATE EXPORT AND IMPORT LICENSING REQUIREMENTS.

The principal changes in the new proclamation are the addition of:

All commercial type aircraft and all aircraft components, parts and accessories; fire control and range finding equipment; certain military electronic devices including radar; various military defense apparatus and training equipment; arms and ammunition of caliber .22.

It should be noted that the new proclamation represents an extensive rearrangement of the categories listed in Proclamation 2717.

Pending the issuance of a revised edition of the pamphlet, "International Traffic in Arms" (Title 22, Sections 201.1 to 201.41 Code of Fed. Reg.) this Bulletin is being circulated for the guidance of Collectors of Customs and shippers of arms, ammunition, and implements of war.

A tentative interpretation of the various categories is set forth herein. Additions or deletions will be made from time to time. If an exporter or importer is unable to determine whether a particular article comes within the scope of the new proclamation, he may submit the pertinent facts to the Munitions Division, Department of State, Washington 25, D. C., for a decision. Collectors are requested to do likewise.

Applications for export and import licenses should be made on current Department of State forms.

TENTATIVE INTERPRETATION OF THE NEW
PROCLAMATION BY CATEGORIES

CATEGORY I. SMALL ARMS AND MACHINE GUNS.

Note that caliber .22 weapons, and stocks and complete breech mechanisms for all weapons, now require a license.

CATEGORY II. ARTILLERY AND PROJECTORS.

Under this category there have been added rocket launchers and military smoke, gas and pyrotechnic projectors. The term "other components thereof" shall be interpreted to consist of complete breech mechanisms, carriages, and hub assemblies.

CATEGORY III. AMMUNITION.

Note that caliber .22 ammunition now requires a license; also jackets; cores; percussion caps; fuses; primers; other detonating-devices; and powder bags.

CATEGORY IV. BOMBS, TORPEDOES, AND ROCKETS.

Note that rockets and the major components of bombs, torpedoes, rockets, and guided missiles have been added.

CATEGORY V. FIRE CONTROL EQUIPMENT AND RANGE FINDERS.

All the articles in this category have been added to the list of licensable articles.

CATEGORY VI. TANKS AND ORDINANCE VEHICLES.

The articles added in this category are: armed vehicles; artillery and small arms repair trucks; military half tracks, tank recovery vehicles; tank destroyers; tank engines; tank tread shoes; tank bogie wheels and idlers. An "armed vehicle" shall be interpreted to be any vehicle which has a fixed gun on it, while an "armored vehicle" shall be one offering protection, and may be either armed or unarmed.

CATEGORY VII. POISON GASES AND TOXICOLOGICAL AGENTS.

The term "lethal gases" shall be interpreted to mean: cyanogen chloride; diphos; diphosgene; fluorine (but not fluorene); Lewisite gas; mustard gas (dichlorodiethyl sulfide); phenylcarbylamine chloride; phosgene.

The term "toxicological agents" (gases shall be interpreted to mean: Adamsite (diphenylaminechlorarsine);

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dibromodimethyl ether; dichlorodimethyl ether; diphenylchloroarsine; diphenylcyanarsine; ethyl dibromarsine; ethyl dichloroarsine; methyldichloroarsine; phenyldibromoarsine; phenyldichloroarsine.

The term "military equipment for the dissemination and detection thereof and defense therefrom" shall be interpreted to mean: military gas masks; filters for military gas masks; military gas detection kits.

CATEGORY VIII. PROPELLANTS AND EXPLOSIVES.

The articles included in this category are: propellant powders; rocket and guided missile fuel; the following military high explosives: ammonium picrate; black soda powder; potassium nitrate powder; hexanitrodiphenylamine; pentaerythritetetrinitrate (penthrite, pentrite or PETN); nitrocellulose having a nitrogen content of more than 12.20 percent; tetryl (trinitrophenylmethylnitramine or "tetranitromethylamine"); trimethylenetrinitramine (RDX, Cyclonite, Hexogen or T4); trinitroanisole; trinitronaphthalene; dinitronaphthalene; tetranitronaphthalene; trinitrotoluene; trinitroxyleno.

CATEGORY IX. VESSELS OF WAR.

Under this category the following are considered vessels of war:

Combat Type Vessels:

Battleship (BB); Battle Cruiser (CC); Flight Deck Cruiser (CF); Heavy Cruiser (CA); Large Cruiser (CB); Light Cruiser (CL); Aircraft Carrier (CV); Aircraft Carrier, Escort (CVE); Aircraft Carrier, Large (CVB); Aircraft Carrier, Small (CVL); British Aircraft Carrier, Escort (BAVG); Seaplane Carrier (CVS); Destroyer (DD); Destroyer, Escort Vessel (DE); Destroyer Leader (DL); Submarine (SS); Submarine Mine Layer (SM); Minelaying Cruiser (CM); Mine Sweeper, High Speed (DMS); Mine Vessel, Light Mine Layer (DM); Crane Ship (AB); High Speed Transport (APD); and Seaplane Tender (Destroyer) (AVD).

Amphibious and Landing Vessels:

Weasels (M-24); Landing Vehicle (LVT); Landing Vehicle, Armored (LVT-A); Landing Vehicles, Wheeled (LVW-DUKW). Landing Craft (LCC, LCM-3, LCM-6, LC-FF, LCI-L, LCI-M, LCI-R, LCS-L-3, LCVF, LCT-5, LCT-6, LCP-L, LCP-R, LCR-S, LCR-L, LCV). Landing Ships: (LSL, LSM, LSM-R, IST, LSV).

Naval Tenders and Service Vessels:

Airship Tender (AZ); Ammunition Ship (AE); Auxiliary, Miscellaneous (AG); Barge, Torpedo Testing, (YTT); Barracks Ship, Self Propelled (APB); Cargo Ship Attack (AKA); Cargo Ship, Net (AKN); Cargo Ship and Aircraft Ferry (AKV); Destroyer Tender (AD); Distribution Box Boat (L); Dock, Advance Base (ABD);

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Dock, Advance Base Section (ABSD); Drydock, Floating (AFD, AFDL, AFDL-C, AFIM, AFDB); Lighter Catapult (AVC); Lighthouse Tender (AGL); Mine Layer (converted to merchant use) (CM); Mine Layer, Auxiliary (ACM); Mine Layer Coastal (CMc); Mine Planter (MP); Junior Mine Planter (JMP); Mine Sweeper (AM, AMc, AMb); Mine Sweeper, Motor (YMS); Motor Torpedo Boat Tender (AGP); Net Laying Ship (AN); Net Tender (YN); Repair Ship (ARV-A, ARV-E, ARR, ARL); Repair Dock (ARD, ARD-C); Rescue Boat, Aircraft (AVR); Salvage Craft Tender (ARS-T); Salvage Lifting Vessel (ARS-D); Seaplane Tender (AV, AVP), Submarine Rescue Vessel (ASR); Submarine Tender (AS); and Surveying Ships (AGS, AGSc).

Naval Transports:

Administrative Flagship (APF); Aircraft Transport, Lighter (YCB0); Amphibian Force, Flagship (AGC); Artillery Transport, Mechanized (APM); Artillery Transport, non-Mechanized (APN); Attack Transport (APA); Barge, Troop Class A (APP); Barge, Navy Troop Class B (APT); Coastal Transport (APc); Ferry, Transport and Aircraft (APV); Rescue Transport (APR); Submarine Transport (ATS); Supporting Gunnery Ship, Transport (APG); Transport (AP); and Wounded Evacuation, Transport (APH).

Patrol Vessels:

Coast Guard Gun Boat (WPG); Coast Guard Gun Boat (WPR); Coast Guard Subchaser (WSC); Coast Guard District Patrol Vessel (WYP); Coast Guard Cutter (CGC); Coast Guard Light Ship (WAL); Escort 180' (PCE, PCE-C); Escort, Rescue 180' (PCE-R); Patrol Vessel, Eagle (PE); Patrol Vessel, Frigate (PF); Patrol Vessel, Gunboat (PG); Patrol Vessel, Motor (PGM); Patrol Vessel, Motor Torpedo Boat (PT); Patrol Vessel, River Gunboat (PR); Patrol chaser, Submarine Chaser (PTC); Patrol Boat (AD); Patrol Vessel, Coastal Yacht (PYC); Patrol Vessel, Yacht (PY); Submarine Chaser, 173' (PC, PC-C); Submarine Chaser 110' (SC, SC-C); Submarine Chaser 136' (PCS, PCS-C); Submarine Chaser 174' Control (PCC); and other Patrol Craft larger than 100' or in excess of 300 horsepower capacity.

(The Munitions Division Circular entitled "List of Vessels Coming Within the Classification of 'Vessels of War'" is no longer effective)

In Addition to vessels of war this category includes the following special naval equipment:

Armor plate; turrets; submarine storage batteries and electric batteries of 1,000 ampere hour capacity and over; anti-submarine nets; mine locating equipment towed from ships including: ordnance detector, Mark 2, pipe; ordnance detector Mark 2, gear; power supplies, Mark 2; ordnance detector, Mark 3, and mine detonating equipment.

CATEGORY X. AIRCRAFT.

It should be noted that all aircraft, components, parts and accessories are included in the Proclamation.

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Aircraft ground handling and maintenance equipment, such as is listed in the Department of Commerce Schedule B under Commodity code No. 794960, and radio ground equipment used for the direction and navigation of aircraft, as listed under Schedule B 707640, are not listed.

(The Munitions Division Circular MD-2/20/47 entitled "New Requirements Relating To The Licensing For Export and Import of Aircraft, Components and Parts" and supplements thereto, are no longer in effect.)

CATEGORY XI. MISCELLANEOUS EQUIPMENT.

All Articles (except armor plate) enumerated in this category have been added, and shall be interpreted to mean:

(a) All Radar and components as follows:

(1) Antenna, micro-wave (i.e. frequency over 500 megacycles, or wavelength under 6/10 meter) or highly directional antenna, such as dish, parabolic or horn type antennae. (2) Receiver, micro-wave or broadband. (3) Transmitter, micro-wave or pulse modulated. (4) Modulator, pulsed (peak power rated). (5) Indicator, cathode ray tube. (6) Test equipment, as follows: echo box (ring or resonance chamber), synthesizer, range calibrator, radio frequency-oscillator (micro-wave), radio frequency meters. (7) Micro-wave wave-guide (pipe) or any instrument containing it.

Radar countermeasures and jamming equipment include:

Resnatron tubes; electronic noise generators; and spectrum analyzers.

(b) Only complete sets of equipment used for military measurements of maps and stereoscopic (three dimension) aerial photographs.

(c) A military photo theodolite is a transit type instrument for photographing an object or target. Telemetering and Doppler equipment are radio locating devices functioning simultaneously on the ground and in an aircraft.

(d) The term "super high speed" shall apply to cameras with a speed exceeding 64 frames a second.

(e) A radiosonde is a set of meteorological recording instruments attached to a radio transmitter and carried by a balloon to transmit weather data to the ground.

(f) Very high frequency (30 megacycles and above) filters, chokes and wave-traps.

(g) Synthetic training devices will include Link-type trainers and similar apparatus.

May 22, 1951

Materials

1. Uranium metal, thorium metal, metals and alloys containing uranium and thorium.
2. Uranium compounds, including the following:
 - a. Uranium (or uranyl) acetate
 - b. Uranium (or uranyl) nitrate
 - c. Sodium uranate
 - d. Uranium oxide or dioxide
3. Thorium compounds, including the following:
 - a. Thorium nitrate
 - b. Thorium dioxide (thoria)
4. Monazite sand or other thorium containing ores.
5. Carnotite, pitchblende or other uranium containing ores.

Exempted are uranium and thorium materials incorporated in the following products:

- a. Incandescent mantles
- b. Ceramic products
- c. Refractories
- d. Glass products
- e. Photographic film, negatives and prints
- f. Rare earth metals and compounds, mixtures and products containing not more than 0.25% by weight thorium, uranium or any combination of these. (But see List B).
- g. Vacuum tubes
- h. Thoriated tungsten containing not more than 3% by weight thorium.

Facilities and Equipment

1. Facilities capable of producing any fissionable material, such as
 - a. Nuclear reactors or piles
 - b. Facilities capable of separating isotopes of uranium
2. Electronuclear machines
 - a. Cyclotrons
 - *b. Betatrons
 - *c. Synchrotrons
 - d. Synchro-cyclotrons
 - e. Van de Graaff machines (electrostatic generators)
 - f. Linear accelerators
 - g. Neutron generators
 - h. X-ray generators capable of producing over 100 kilovolts.

* - These two items are on the Positive List of the U.S. Dept. of Commerce.
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List A Cont.

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3. Radiation detection and measurement instruments, and their components, including
 - a. Geiger Mueller, proportional or parallel plate counter scalers
 - b. Geiger Mueller or proportional counter rate meters
 - c. Scalers, all types adaptable to radiation detection
 - d. Geiger Mueller, proportional audio, or mechanical detectors
 - e. Integrating ionization chamber meters and ionization chamber rate meters.
 - f. Geiger Mueller, proportional, or parallel plate counter detector components
 - g. Electrometer tube circuits and dynamic condenser electrometers (vibrating reed, vibrating diaphragm, etc.) capable of measuring currents of less than 1 micromicroampere.
 - h. Counter pulse rate meters
 - i. Amplifiers designed for application in nuclear measurements, including linear amplifiers, preamplifiers and distributed (chain) amplifiers.
 - j. Geiger Mueller quenching units
 - k. Geiger Mueller or proportional coincidence units
 - l. Dosimeters and electrometers, pocket and survey types, including electroscopes incorporating radiation measurement scales.
 - m. Chambers, pocket type, with electrometer charger-reader
 - n. Electrometer tubes designed to operate with grid currents of less than 0.1 micromicroampere
 - o. Resistors, values above 1,000 megohms
 - p. Scintillation counters incorporating a photomultiplier tube.
 - q. Photomultiplier tubes having photocathode sensitivity of 10 or more microamperes per lumen, and an average amplification greater than 10^5 .
4. Mass spectrometers and mass spectrographs, of all mass ranges, and their major components, including the following:
 - a. Mass spectrometers or mass spectrographs
 - b. Ion sources, mass spectrometer or spectrograph type
 - c. Acceleration and focussing tubes, mass spectrometer and spectrograph tubes.
 - d. Ionization chambers, mass spectrometer detector types
 - e. Micromicroammeters capable of measuring current of less than 1.0 micromicroampere
 - f. Electrometer tubes designed to operate with grid currents of less than 0.1 micromicroampere.
 - g. Resistors, values above 1,000 megohms
5. Leak detectors, mass spectrometer type.
6. Vacuum diffusion pumps 12 inches diameter and larger (diameter measured inside the barrel at inlet jet).

May 22, 1951

LIST B

Materials

1. Beryl, beryllium metal, beryllium alloys, beryllium oxides and other beryllium compounds, in all forms, except fabricated alloys.
2. Elemental fluorine, fluorocarbons, and anhydrous hydrofluoric acid.
3. Zirconium metal and/or oxide in all forms.
4. Graphite, artificial (including fabricated shapes, e.g., electrodes, plates and crucibles but excluding integral parts of equipment).
5. Diffusion pump oils (oils enabling the attainment of vacuum of 10^{-4} millimeters of mercury pressure absolute in a single stage diffusion pump; including silicone diffusion pump fluids)
6. All rare earths except in lighter flints and abrasives.
7. Heavy water.

Equipment

1. Mechanical (dry) vacuum pumps, with capacities of 20 cfm or more and capable of producing a vacuum of 1 mm of mercury pressure.
2. Diffusion vacuum pumps, mercury and oil types, 5" to 12" in diameter at inlet jet.
3. Induction furnaces for melting metals under vacuum.
4. The following high precision laboratory instruments:
 - a. Spectrophotometers
 - b. Microphotometers
 - c. Spectrometer, optical
 - d. Galvanometers capable of measuring currents of less than 1 microampere
5. Vacuum gauges (ionization types)
6. Valves, gate, globe, angle, tee, double disc, butterfly and damper valves with bellows seal, made of or lined with any corrosion-resistant material, either manual or automatically operated (excluding integral parts of other equipment).
7. Pumps, centrifugal, fabricated of or lined with any corrosion-resistant material.
8. Centrifuges, industrial process type, made of or lined with any corrosion-resistant material.

List B Cont.

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10. Electrolytic cells for the production of fluorine.
11. Refractory materials, including fabricated forms, containing 90% or more of alumina, beryllia, zirconia, or magnesia.
12. Turbo-blowers made of or lined with any corrosion-resistant material, with compression ratio of 2 to 1, or greater.
13. Nickel wire containing 95% or more nickel, 0.10 mm or less in diameter.
14. Woven wire mesh composed of wire containing 95% or more nickel and containing 60 or more wires per linear centimeter.
15. Fluorimeters (also called fluorophotometers).

SUPPLEMENTAL LIST OF THE
DEPARTMENT OF COMMERCE

208630	Flat belts and belting	630950	Prefabricated buildings (dwellings only) aluminum chief value
208650	Other transmission belts & belting		
208690	Other belts and belting		
209600	Insulating compounds		
209600	Submarine cables, gutta-percha chief value	663500	Mercury or quicksilver
209990	Insulating compounds		
209990	Breather bags	692000	Platinum ore & concentrates
209990	Lifting bags		
209990	Pneumatic floats	701300	Batteries, storage, 6 & 12 volt, lead-acid type (in- clude automotive, and radio batteries and knock-down assemblies)
209990	Pontoons		
209990	Rubber rings for field gun recoil mechanism		
391700	Litho tracing cloth, except sensitized	705607	Portable electric tools, metal-working, except vibro-tool kits
391700	Tracing cloth, cut to size, not sensitized		
391700	Tracing cloth, micro-weave	708800	Audio-amplifying apparatus and parts
504500	Paraffin wax, unrefined	708900	Rectifiers and relays
504600	Paraffin wax, refined, with melting point in the range of 125°/127° through 128°/130° MP	709998	Cottrel parts, n.e.s.
504600	Other paraffin wax, refined, and semirefined	709998	Motor parts, measuring, n.e.s.
529500	Glass fiber and glass fiber products	754000	Braiding and insulating ma- chines, and parts
		775040	Wrapping and packaging ma- chinery, and parts
533500	Electrical porcelain for less than 6600 volts		
	Brake lining	793180	Dumping hoists and parts hydraulic, for use on motor trucks
545600	Molded and semi-molded	793180	Hoists and parts, for use on motor trucks
545700	Woven	793180	Winches and parts for use on motor trucks
545800	Clutch facing, molded, semi- molded and woven	793180	Wrecker equipment and parts
545910	Brake blocks, molded, semi- molded, and woven	793180	Wrecking cranes, garage
596020	Fluorspar, all grades		
600100	Iron ore	800500	Crude and refined coal tar
		802530	Beta naphthol & beta naphthol flakes
610000	Ingot casting molds	802590	Aminocresyl methel ether
610100	Gray iron castings (semi-steel included) except floor drains	802590	Aminophenol except para type
610200	Malleable iron castings	802590	Cyclohexanol
619100	Sprocket and other power trans- mission chains, iron and steel	802590	Cyclohexanone
		802590	Diphenyl
		802590	Meta tolylenediamine
		802590	Ortho toluidine
		802590	Para nitrotoluene
		802590	Para phenetidin

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802590	Para phenyl phenol	832990	Dioxane
802590	Para tertiary amyl phenol (pentaphon)	832990	Ethyl acetoacetate
802590	Tetramethyl-o-phenylene-diamine hydrochloride	832990	Ethyl chloride
802590	Tri-phenyl phosphate	832990	Ethylene chlorohydrin
802590	Other phenol derivatives	832990	Ethylene diamine
806930	Other photographic chemicals of coal tar origin	832990	Ethyl lactate
	Phenol-formaldehyde:	832990	Ethyl mercaptan
825510	Molding and casting resins	832990	Glycerine triacetate
825520	For other uses	832990	Isopropyl acetate
	Urea and melamine resins:	832990	Maleic acid anhydride
825710	Protective coatings	832990	Methyl cellosolve
825720	Adhesives	832990	Methylene chloride
825790	For other uses	832990	Monoethanolamine
	Cellusolve acetate, cellulose acetate-butyrate, & cellulose- acetate-propionate:	832990	Monoisopropanalamine
826510	Film support and base	832990	Normal amyl sebacate
826520	Sheets, rods, tubes and other similar forms except electrical insulating material	832990	Paraldehyde
826590	Other unfinished forms including scrap except electrical in- sulating material	832990	Propyl acetate
829700	Activated charcoal and carbon except that produced from animal bone	832990	Propyl cellosolve
		834600	Sodium iodine
831300	Butanol or butyl alcohol	838500	Urea
831500	Allyl alcohol	839000	Ammonia, anhydrous
831500	Ethyl alcohol	839500	Ethylene
831500	Octyl alcohol	839900	Battery oxide
831700	Butyl acetate	839900	Copper naphthenate
		839900	Cupric oxide
832930	Ethyl acetate	839900	Palladium chloride
832960	Methyl ethyl ketone	839900	Phosphorous sulfide
832990	Avalyn	839900	Phosphorous oxychloride
832990	Allyl chloride	839900	Phosphorous trichloride
832990	Chlorifine (clorafin)	839900	Selenium dioxide
832990	Chlorinated paraffin	839900	Titanium hydride powder
832990	Amyl acetates	839900	Zinc chloride
832990	Butyl stearate	842400	Red lead, dry
832990	Cellosolve acetate	842500	Litharge
832990	Chloroform	850700	Sodium nitrate, n.e.s.
832990	Diacetone alcohol	900238	Commercial & scientific still picture cameras, except press cameras
832990	Dibutyl ether	900500	Microfilm cameras, complete
832990	Di-isobutyl ketone	902800	Motion picture film developing, printing, processing, and perforating equipment; re- duction printers and parts
832990	Dimethylamine		

DEPARTMENT OF DEFENSE
MUNITIONS BOARD
WASHINGTON 25, D. C.

MB ORDER NO. 51-29

9 February 1951

SUBJECT: Current List of Strategic and Critical Materials for Stockpiling

1. Pursuant to Section 2(a) of Public Law 520, 79th Congress, the following materials have been determined to be strategic and critical under the provisions of the Act.

2. The following materials will be acquired through purchases pursuant to Section 3(a) and by transfer of Government-owned surpluses pursuant to Section 6 (a) of Public Law 520, 79th Congress, and constitute Group I:

- | | |
|--|--|
| 1. Aluminum | 35. Jewel Bearings, Sapphire and Ruby Vee Jewels |
| 2. Antimony | 36. Jewel Bearings, Watch and Time-keeping Device Jewels |
| 3. Asbestos, Amosite | 37. Kyanite |
| 4. Asbestos, Chrysotile | 38. Lead |
| 5. Asbestos, Crocidolite | 39. Magnesium |
| 6. Bauxite, Metal Grade | 40. Manganese Ore, Battery Grade |
| 7. Bauxite, Refractory Grade | 41. Manganese Ore, Chemical Grade |
| 8. Beryl | 42. Manganese Ore, Metallurgical Grade |
| 9. Bismuth | 43. Mercury |
| 10. Bristle, Hog | 44. Mica, Muscovite Block, Good Stained & Better |
| 11. Cadmium | 45. Mica, Muscovite Film |
| 12. Castor Oil | 46. Mica, Muscovite Splittings |
| 13. Celestite | 47. Mica, Phlogopite Splittings |
| 14. Chromite, Chemical Grade | 48. Molybdenum |
| 15. Chromite, Metallurgical Grade | 49. Nickel |
| 16. Chromite, Refractory Grade | 50. Opium |
| 17. Cobalt | 51. Palm Oil |
| 18. Coconut Oil | 52. Platinum Group Metals, Iridium |
| 19. Columbite | 53. Platinum Group Metals, Platinum |
| 20. Copper | 54. Pyrethrum |
| 21. Cordage Fibers, Manila | 55. Quartz Crystals |
| 22. Cordage Fibers, Sisal | 56. Quinidine |
| 23. Corundum | 57. Quinine |
| 24. Cotton, Extra Long Staple | 58. Rare Earths |
| 25. Diamonds, Industrial | 59. Rubber, Crude Natural |
| 26. Feathers and Down, Waterfowl | 60. Sapphire and Ruby |
| 27. Fluorspar, Acid Grade | 61. Shellac |
| 28. Fluorspar, Metallurgical Grade | 62. Silk |
| 29. Guayule Seeds & Seedlings | 63. Sperm Oil |
| 30. Graphite, Amorphous Lump | 64. Talc, Steatite, Block |
| 31. Graphite, Crucible Grade | 65. Tantalite |
| 32. Graphite, Lubricant and Packing Grade | |
| 33. Hyoscine | |
| 34. Jewel Bearings, Instrument Jewels, except Vee Jewels | |

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|--|---------------------------------------|
| 66. Tin | 70. Vegetable Tannin Extract, Quebra- |
| 67. Tungsten | cho |
| 68. Vanadium | 71. Vegetable Tannin Extract, Wattle |
| 69. Vegetable Tannin Extract, Chestnut | 72. Wool |
| | 73. Zinc |

3. The following materials will be acquired only through transfer of Government-owned surpluses pursuant to Section 6(a) of Public Law 520, 79th Congress, and constitute Group II:

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|--|--------------------------------------|
| 1. Agar | 11. Pepper |
| 2. Bauxite, Abrasive | 12. Platinum Group Metals, Osmium |
| 3. Cryolite, Natural | 13. Platinum Group Metals, Palladium |
| 4. Diamond Dies | 14. Platinum Group Metals, Rhodium |
| 5. Emetine | 15. Platinum Group Metals, Ruthenium |
| 6. Graphite, Crystalline Fines | 16. Rutile |
| 7. Iodine | 17. Selenium |
| 8. Mica, Muscovite Block, Stained
& Lower | 18. Talc, Steatite, Ground |
| 9. Mica, Phlogopite Block | 19. Zirconium Ore, Baddeleyite |
| 10. Optical Glass | 20. Zirconium Ore, Zircon |

4. This order supersedes MB Order No. 51-25 of 24 November 1950.

/s/

ROSCOE SEYBOLD
Vice Chairman for Stockpile Management